

VIPLON FR0

PC UL94 V0

Properties	Test Method	Unit	Typical Value
Physical			
MFI	ISO 292	g/10'	0
Density (23°C)	ISO 1183	g/cm ³	1,22-1,24
Water Absorption (24h/23°C)	ISO 62	%	0,1
Water Absorption at Saturation	ISO 62	%	0,35
Mould Shrinkage (Parallel)	ASTM D-955	%	0,5-0,7
Mould Shrinkage (Normal)	ASTM D-955	%	0,5-0,7
Mechanical			
Izod Notched Impact (+23 °C)	ISO 180	J/m	600
Izod Notched Impact Strength(-20 °C)	ISO 180	J/m	0
Charpy Notched Impact (+23 °C)	ISO 179	kJ/m ²	30
Charpy Unnotched Impact (+23 °C)	ISO 179	kJ/m ²	300
Charpy Unnotched Impact (-20 °C)	ISO 179	kJ/m ²	0
Tensile Modulus	ASTM D-638	N/mm ²	2300
Elongation at Break	ASTM D-638	%	80
Tensile Break Strength	ASTM D-638	N/mm ²	60
Tensile Yield Strength	ASTM D-638	N/mm ²	70
Thermal			
Vicat Temperature (1kg)	ASTM D-1525	°C	152
Vicat Temperature (5kg)	ASTM D-1525	°C	148
Heat Deflection Temperature (0,45 N/mm ²)	ASTM D-648	°C	0
Heat Deflection Temperature (1,82 N/mm ²)	ASTM D-648	°C	138
Continuous Service Temperature (20.000 h)	60216/P1 IEC	°C	120
Electrical			
Volume Resistivity	ASTM D-257	Ohm cm	>10EXP(15)
Tracking Resistance (CTI-Method A)	60112 IEC	Volt	200
Electric Strength (Thickness)	ASTM D-149	kV/mm	22
Flammability			
Flammability Rating	UL 94	-	V0 (0,97 mm)
Glow Wire Test	60695-2-1 IEC	°C	960°@2 mm

The data and informations contained herein are typical average values, based on our current level of knowledge and experience, and do not constitute sales specifications. No liability, warranty or guarantee of product performance is created by this document. It is the buyer's responsibility to inspect and test our products in order to determine the suitability for the buyer's application.